

ABSTRACT

An electronic circuit unit for use in an electronic equipment cabinet. The electronic circuit unit has first and second opposite main walls including EMI absorbing material and a motherboard frame between the main walls, the motherboard frame including a plurality of wall segments also including EMI absorbing material. A motherboard is mounted in the motherboard frame by a first locating retainer. The first locating retainer positions the motherboard such that it resides between the main walls of the electronic circuit unit. A signal-processing module forming at least a portion of the first main wall is removably mounted to the motherboard frame by a second locating retainer. The signal-processing module connects with the motherboard through an electrical connector having mating parts. The first and the second locating retainers are positioned relative to one another to allow the mating parts to align and mate when the signal processing module is fastened to said motherboard frame.